Problem 3.17: A Simple Circuit	
Problem 3.18: Circuit Design	
Problem 3.19: Equivalent Circuits and Power	107
Problem 3.20: Power Transmission	108
Problem 3.21: Optimal Power Transmission	109
Problem 3.22: Big is Beautiful	
Problem 3.23: Sharing a Channel	110
Problem 3.24: Circuit Detective Work	
Problem 3.25: Mystery Circuit	111
Problem 3.26: More Circuit Detective Work	
Problem 3.27: Linear, Time-Invariant Systems	
Problem 3.28: Long and Sleepless Nights	
Problem 3.29: A Testing Circuit	
Problem 3.30: Black-Box Circuit	
Problem 3.31: Solving a Mystery Circuit	115
Problem 3.32: Find the Load Impedance	
Problem 3.33: Analog "Hum" Rejection	
Problem3.34: An Interesting Circuit	
Problem 3.35: A Simple Circuit	
Problem 3.36: An Interesting and Useful Circuit	
Problem 3.37: A Circuit Problem	
Problem 3.38: Analog Computers	
Problem 3.39: Transfer Functions and Circuits	
Problem 3.40: Fun in the Lab	
Problem 3.41: Dependent Sources	
Problem 3.42: Operational Amplifers	
Problem 3.43: Op-Amp Circuit	
Problem 3.44: Why Op-Amps are Useful	
Problem 3.45: Operational Amplifiers	
Problem 3.46: Designing a Bandpass Filter	
Problem 3.47: Pre-emphasis or De-emphasis?	
Problem 3.48: Active Filter	
Problem 3.49: This is a filter?	
Problem 3.50: Optical Receivers	
Problem 3.51: Reverse Engineering	
3.25 Solutions to Exercises in Chapter 3	
Chapter 4 Frequency Domain	132
4.1 Introduction to the Frequency Domain	
4.2 Complex Fourier Series	
Exercise 4.2.1	
Example 4.1	134
Exercise 4.2.2	137
4.3 Classic Fourier Series	138
Exercise 4.3.1	138
Exercise 4.3.2	140
Exercise 4.3.3	140
Example 4.2	141